JMYT-234US1 **PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

To Be Assigned

Applicant:

Dharshini C. Fongalland et al.

Filed:

Herewith

Title: TC/A.U.: SUBSTRATE

Examiner:

Confirmation No.:

Docket No.:

**JMYT-234US1** 

### **Continuation of:**

Appln. No:

09/807,353

Applicant:

Dharshini C. Fongalland et al.

Filed:

April 12, 2001 SUBSTRATE

Title: TC/A.U.:

1723

Examiner:

Krishnan S. Menon

Confirmation No.: 6310

Docket No.:

JMYT-234US

### **INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

JMYT-234US1 PATENT

Under 37 C.F.R. § 1.98(d), copies of the patents and publications listed on the enclosed PTO Form 1449 are not required to be provided, because they were cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/807,353, filed April 12, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

This Information Disclosure Statement is being filed concurrently with the abovereferenced continuation application.

Respectfully submitted,

Christopher R. Lewis, Reg. No. 36,201

**Attorney for Applicants** 

CRL/Irb

Enclosure: Form PTO/SB/08 (3 pgs.)

Dated: October 20, 2003

P.O. Box 980 Valley Forge, PA 19482 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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Kathleen Libby

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 3

	C mplete if Known	
Application Number	To Be Assigned	
Filing Date	Herewith	
First Named Inventor	Dharshini C. Fongalland	
Art Unit		
Examiner Name		
Attorney Docket No.	JMYT-234US1	

			U.S. PATENT D	OCUMENTS	
		Document Number			Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Number - Kind Code <sup>2 (if known)</sup>	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US-3,282,875	11-01-1966	Connolly et al.	
		US-4,329,435	05-11-1982	Kimoto et al.	
		US-4,330,654	05-18-1982	Ezzell et al.	·
		US-4,358,545	11-09-1982	Ezzell et al.	
		US-4,417,969	11-29-1983	Ezzell et al.	
		US-4,433,082	02-21-1984	Grot	
		US-4,610,762	09-09-1986	Birdwell ,	
• •		US-4,842,620	06-27-1989	Hammel et al.	
		US-4,940,525	07-10-1990	Ezzell et al.	
		US-5,094,995	03-10-1992	Butt et al.	
		US-5,438,082	08-01-1995	Helmer-Metzmann et al.	
	•	US-5,468,574	11-21-1995	Ehrenberg et al.	
		US-5,523,181	06-04-1996	Stonehart et al.	·
		US-5,547,551	08-20-1996	Bahar et al.	-
		US-5,595,676	01-21-1997	Barnes et al.	·
		US-5,599,639	02-04-1997	Sansone et al.	
		US-6,042,958	03-28-2000	Denton et al.	

	FOREIGN PATENT DOCUMENTS					
·_		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5 (If known)</sup>	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	Т6
		EP-0 331 321	09-06-1989	ICI PLC		
		EP-0 345 964	12-13-1989	ICI PLC		
		EP-0 574 791	12-22-1993	Hoechst AG		
	·	EP-0 731 520	09-11-1996	Johnson Matthey PLC		
		EP-0 791 974	08-27-1997	Johnson Matthey PLC		
		EP-0 875 524	11-04-1998	DSM NV		

Examiner	•		Date	
Signature		•		
Signature			Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>&</sup>lt;sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

<sup>&</sup>lt;sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>\*\*</sup>Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	Application Number	To Be Assigned
INFORMATION DISCLOSURE	Filing Date	Herewith
STATEMENT BY APPLICANT	First Named Inventor	Dharshini C. Fongalland
(Use as many sheets as necessary)	Art Unit	
	Examiner Name	
SHEET 2 of 3	Attorney Docket No.	JMYT-234US1

	U.S. PATENT DOCUMENTS						
		Document Number		•	Pages, Columns, Lines, Where		
Examiner Initials*	Cite No. <sup>1</sup>	Number - Kind Code <sup>2 (if known)</sup>	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
		US-					
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		FOREIGN PA	TENT DOCUMEN	TS		
		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	Cite No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5 (If known)</sup>	Publication Date (MM-DD-YYYY)	Applicant of Cited Document		٦
		DD-283 478	10-17-1990	Leipzig Chemieanlagen		
		GB-1 599 077	09-30-1981	Yuasa Battery Co. Ltd.		
		JP-57 159502 (Abstract Only)	10-01-1982	Toyo Boseki KK		
·		JP-06 304548 (Abstract Only)	11-01-1994	Matsushita Electric Ind. Co. Ltd.		
		NL-8003824	02-01-1982	Akzo NV		I
		WO-94/16002	07-21-1994	Allied Signal, Inc.	4	
		WO-95/08581	03-30-1995	Ballard Power Systems		
		WO-97/25369	07-17-1997	Ballard Power Systems, C. Stone, A. E. Steck		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SHEET 3 of 3

	<u> </u>	
	Complete if Known	
Application Number	To Be Assigned	
Filing Date	Herewith	
First Named Inventor	Dharshini C. Fongalland	
Art Unit		
Examiner Name		
Attorney Docket No.	JMYT-234US1	

T.		NON-PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
		Kolde et al., "Advanced Composite Polymer Electrolyte Fuel Cell Membranes," Electrochemical Society Proceedings, Vol. 95-23 (1995) pp. 193-201.		
		International Search Report dated January 12, 2000, from International Application No. PCT/GB99/02935		
		British Search Report dated February 19, 1999, from British Application No. 9822569.1.		
	:			
Examiner Signature		Date Considered		

<sup>1</sup>Applicant's unique citation designation number (optional).
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